

09/004402

L Number	Hits	Search Text	DB	Time stamp
1	0	("lengthadjadjustable").PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/17 04:55
2	6890	length adj adjustable	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/17 04:55
3	192064	(length adj adjustable) and strap or string	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/17 04:56
4	1080	(length adj adjustable) and (strap or string)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/17 05:08
5	4	4013696.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/17 05:09
6	4	4013693.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/17 05:09

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L1: Entry 10 of 11

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Aug 29, 1991

DERWENT-ACC-NO: 1991-260970
DERWENT-WEEK: 199136
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TITLE: Artificial knee-joint - comprises elongated bars, pivotable with each other about hinges, peripheral strips, and pairs of tensioning bands

INVENTOR: EISENBERG, K H

PATENT-ASSIGNEE:

ASSIGNEE

CODE

EISENBERG K H

EISEI

PRIORITY-DATA: 1990DE-0003704 (March 30, 1990), 1990DE-0001749 (February 15, 1990)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
DE 4013693 A	August 29, 1991		000	
DE 4013693 C	February 6, 1992		000	

APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
DE 4013693A	April 28, 1990	1990DE-4013693	

INT-CL (IPC): A61F 5/04

ABSTRACTED-PUB-NO: DE 4013693A
BASIC-ABSTRACT:

An artificial knee-joint has elongated bars (5,6) engaging opposite sides of the upper and lower liq. portions (1,2), pivotable with each other about hinges (11) and anchored in place by peripheral strips (3,4) round the thigh and shin respectively. Pairs of tensioning bands (13,14,15,16), attached to the free ends of the bars (5,6) at the front side of the leg, are parallel, but intersect at the rear side of the leg, and are held in place by further peripheral strips (17,18).

USE/ADVANTAGE - For accommodating bending and stretching of the leg. Adjustable length retaining elements are adaptable to limbs which are either knock-kneed or bowed.
ABSTRACTED-PUB-NO:

DE 4013693C

EQUIVALENT-ABSTRACTS:

Orthosis consists of rails bandaged to thigh and leg at the sides. Length-adjustable cables (13-16) fitted to the free ends of the rails (5,6) should cross over in pairs to the rear of the leg and the parallel cables are engaged at the front by two transverse connecting bands (17,18). Pref. the bands are held to leg and thigh rails respectively and have guide slots (19,20) for the parallel cables to the front of the leg. Top and bottom ends of outside or inside rail are slotted for a length-adjustable strap (21) looped into a right figure from inside or outside on the knee and made, like the cables, of inelastic material.

USE/ADVANTAGE - Orthopaedics, knee joints. Orthosis trains muscle to work knee joint but guides this via criss-crossed cables and bands.

CHOSEN-DRAWING: Dwg.1/5

TITLE-TERMS: ARTIFICIAL KNEE JOINT COMPRISE ELONGATE BAR PIVOT HINGE PERIPHERAL STRIP PAIR TENSION BAND

DERWENT-CLASS: D22 P32

CPI-CODES: D09-C01D;

SECONDARY-ACC-NO:

CPI Secondary Accession Numbers: C1991-113282

Non-CPI Secondary Accession Numbers: N1991-199060